

○ LIST OF MATERIALS

1. FIRE DEPARTMENT SIAMESE CONNECTION. (FDC) (RED)
2. FLANGED TEE.
3. THRUSTBLOCK INSTALLED PER N.F.P.A. #24, MIN. 16".
4. 3/4" ZINC COATED THREADED ROD, BOLTED TO FLANGES, BOTH SIDES TYPICAL EQUAL TENSION MINIMUM FOUR RODS, EVENLY SPACED.
5. FLANGED ADAPTER. (WHEN REQUIRED).
6. PIPE SPOOL. (FLANGED D.I.P.)
7. 90° ELBOW. (FLANGED D.I.P.)
8. ADJUSTABLE PIPE SUPPORT, PERMANENTLY ATTACHED TO BASE, 6" MAX. HEIGHT.
9. CONSTRUCTION JOINT KEY TO BE 1 3/4" X 2 1/2".
10. #6 REINFORCING STEEL, DEFORMED BAR, 4" APART, EVENLY SPACED.

□ NOTES:

1. DOUBLE CHECK DETECTOR ASSEMBLY WITH BYPASS METER SHALL BE UL LISTED OR FM APPROVED FOR FIRE PROTECTION USE AND SHALL BE AS APPROVED BY U.S.C. FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH. THIS ASSEMBLY IS TO BE USED FOR POLLUTION HAZARDS ONLY AS RECOMMENDED IN THE AWWA-M14 MANUAL.
2. ALL PIPING, VALVES, FITTINGS AND APPURTENANCES DOWNSTREAM OF THE SERVICE LINE SIDE O.S. & Y. VALVE SHALL BE APPROVED FOR FIRE PROTECTION USE AND INSTALLED PER N.F.P.A. #24.
3. THE ENTIRE ASSEMBLY SHALL BE SECURED WITH CHAIN AND LOCK.
4. BACKFLOW DEVICES SHALL BE PAINTED TO MATCH THE LANDSCAPE (DESERT BROWN).
5. FDC'S AND PIV'S SHALL BE PAINTED RED AND SIGNED PER FIRE DEPT. DETAIL NO. 104, SIGNAGE A, B, OR C.

GENERAL NOTES:

1. FDC'S SHALL BE LOCATED WITHIN 150 FEET OF A PUBLIC (YELLOW) FIRE HYDRANT AT THE ENTRANCE TO THE SITE.
2. A REGISTERED STRUCTURAL ENGINEER SHALL SEAL THE DESIGN OF THE THRUST BLOCKS, SUPPORTS AND TIE ROD ASSEMBLIES.

SCREENING METHOD

1. SCREEN WALLS, PLANT MATERIAL, BERMING AND/OR BUILDING ORIENTATION SHALL BE SUBMITTED TO DEVELOPMENT SERVICES FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION.
2. METHOD OF SCREENING USED MAY REQUIRE FDC'S TO BE REMOTELY LOCATED. FDC LOCATION AND METHOD OF INSTALLATION SHALL BE INCLUDED ON SCREENING PLAN SUBMITTED TO DEVELOPMENT SERVICES FOR REVIEW AND APPROVAL.

DETAIL NO.

FD101

NTS



CITY OF CHANDLER
STANDARD DETAIL

DOUBLE CHECK DETECTOR ASSEMBLY WITH BY PASS METER (PRIVATE FIRE SERVICE MAIN)

APPROVED:

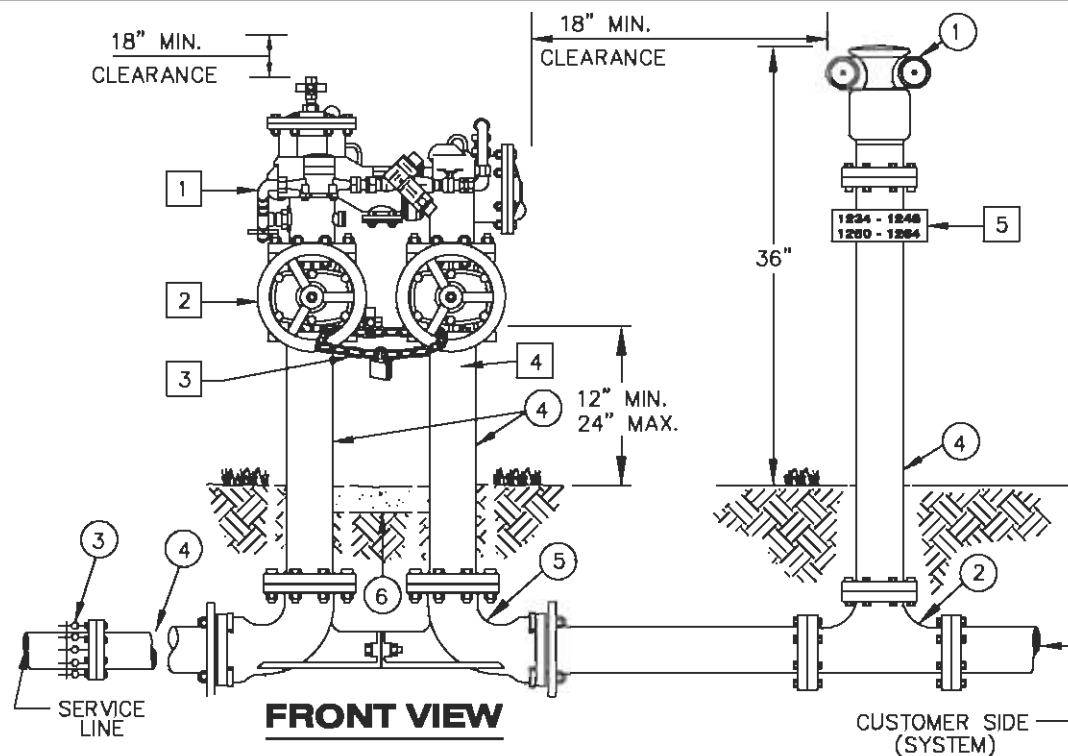
FIRE MARSHAL

DATE: 1/19/2005

DETAIL NO.

FD101

NTS

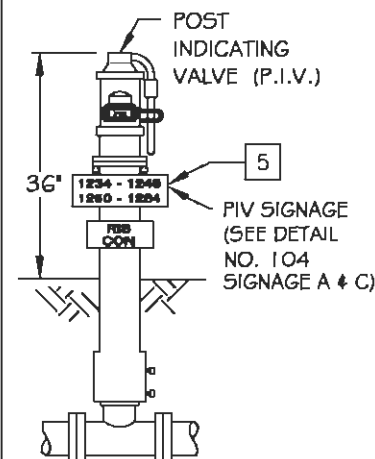


NOTES

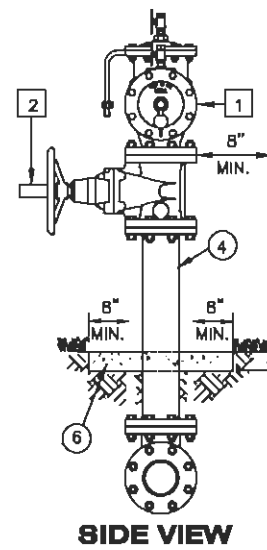
1. DOUBLE CHECK DETECTOR ASSEMBLY WITH BYPASS METER SHALL BE UL LISTED OR FM APPROVED FOR FIRE PROTECTION USE AND SHALL BE AS APPROVED BY U.S.C. FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH. THIS ASSEMBLY IS TO BE USED FOR POLLUTION HAZARDS ONLY AS RECOMMENDED IN THE AWWA-M14 MANUAL.
2. ALL PIPING, VALVES, FITTINGS AND APPURTENANCES DOWNSTREAM OF THE SERVICE LINE SIDE O.S. & Y. VALVE SHALL BE APPROVED FOR FIRE PROTECTION USE AND INSTALLED PER N.F.P.A. #24.
3. THE ENTIRE ASSEMBLY SHALL BE SECURED WITH CHAIN AND LOCK.
4. BACKFLOW DEVICES SHALL BE PAINTED TO MATCH THE LANDSCAPE (DESERT BROWN).
5. FDC'S AND PIV'S SHALL BE PAINTED RED AND SIGNED PER FIRE DEPT. DETAIL NO. 104 SIGNAGE A, B, OR C.

GENERAL NOTES:

1. FDC'S SHALL BE LOCATED WITHIN 150 FEET OF A PUBLIC (YELLOW) FIRE HYDRANT AT THE ENTRANCE TO THE SITE.
2. A REGISTERED STRUCTURAL ENGINEER SHALL SEAL THE DESIGN OF THE THRUST BLOCKS, SUPPORTS AND TIE ROD ASSEMBLIES.



MULTIPLE RISER SYSTEMS,
ADDITIONAL PIV'S MAY BE
REQUIRED AS RISER
CONTROL VALVES.



LIST OF MATERIALS

1. FIRE DEPT. SIAMESE CONNECTION (FDC) (RED).
2. FLANGED TEE.
3. FLANGED ADAPTER, (WHEN REQUIRED).
4. PIPE SPOOL. (FLANGED D.I.P.)
5. 90° ELBOW. (FLANGED D.I.P.)
6. 4" CLASS "B" CONCRETE PER MAG STD SPEC. 725.

SCREENING METHOD

1. SCREEN WALLS, PLANT MATERIAL, BERMING AND/OR BUILDING ORIENTATION SHALL BE SUBMITTED TO DEVELOPMENT SERVICES FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION.
2. METHOD OF SCREENING USED MAY REQUIRE FDC'S TO BE REMOTELY LOCATED. FDC LOCATION AND METHOD OF INSTALLATION SHALL BE INCLUDED ON SCREENING PLAN SUBMITTED TO DEVELOPMENT SERVICES FOR REVIEW AND APPROVAL.

DETAIL NO.

FD102

NTS



CITY OF CHANDLER
STANDARD DETAIL

DOUBLE CHECK DETECTOR ASSEMBLY WITH BYPASS METER (PRIVATE FIRE SERVICE MAIN)

APPROVED:

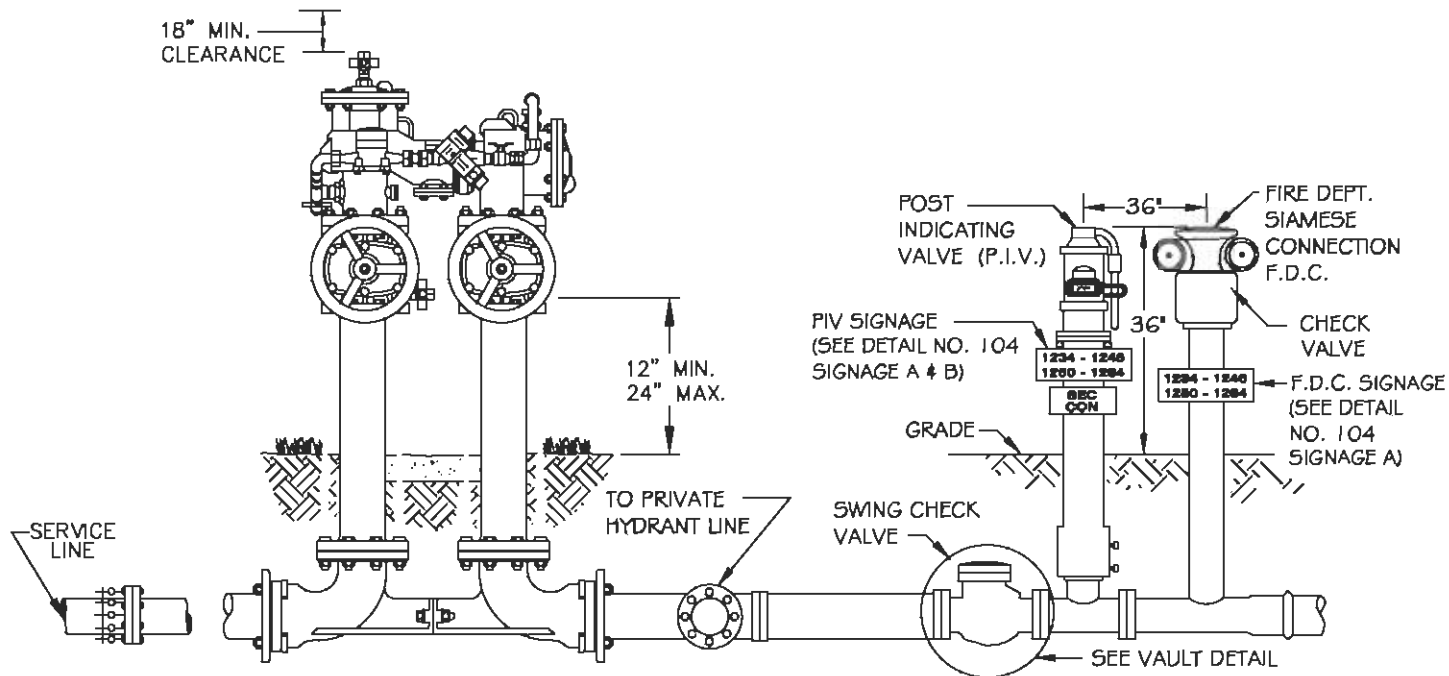
[Signature]
FIRE MARSHAL

DATE: 1/19/2005

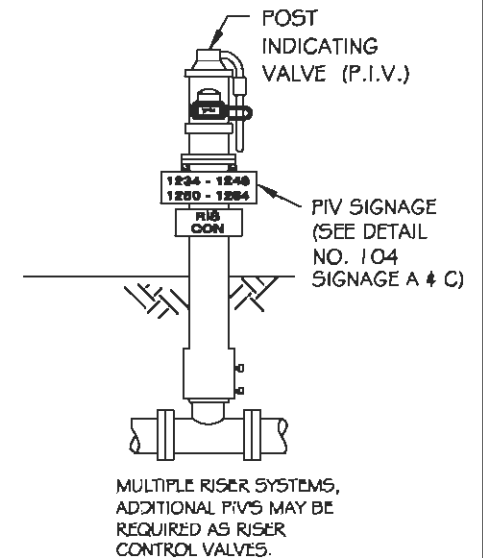
DETAIL NO.

FD102

NTS

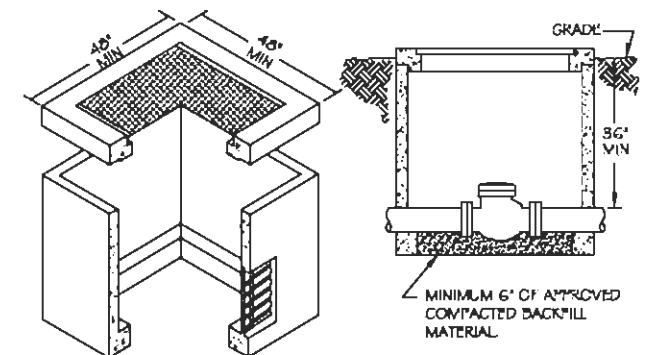


SEE FD 101 OR FD 102 WITHOUT FDC



NOTES:

1. FDC'S SHALL BE LOCATED WITHIN 150 FEET OF A PUBLIC (YELLOW) FIRE HYDRANT.
2. SWING CHECK VALVES USED ON UNDERGROUND FIRE LINES SHALL BE INSTALLED WITHIN A VAULT IN ACCORDANCE WITH THIS DETAIL. THE CHECK VALVE AND VAULT ASSEMBLY SHALL BE INSTALLED AFTER THE PRIVATE HYDRANT LINE (PRIVATE HYDRANTS SHALL BE PAINTED YELLOW WITH A BLACK BONNET).
3. FIRE SPRINKLER LINES SHALL HAVE A SECTIONAL CONTROL PIV INSTALLED BETWEEN THE SWING CHECK VALVE AND THE FDC. A SECTIONAL CONTROL PIV SHALL BE INSTALLED AT MID POINT ON THE LOOPED FIRE LINE TO PROVIDE FOR ISOLATION OF THE FIRE LINE.
4. FIRE SPRINKLER LINES SHALL HAVE A RISER CONTROL PIV FOR EACH INDIVIDUAL RISER. THE PIV'S SHALL BE LOCATED AS CLOSE TO THE RISER AS PRACTICAL. THE RISER CONTROL PIV'S MAY BE ELIMINATED PROVIDED A KEY BOX IS INSTALLED TO PROVIDE FIRE DEPARTMENT ACCESS TO THE RISER CONTROL VALVES LOCATED INSIDE THE BUILDING.
5. FDC'S AND PIV'S SHALL BE PAINTED RED AND SIGNED PER FIRE DEPT. DETAIL NO. 104, SIGNAGE A, B, OR C.
6. BACKFLOW DEVICES SHALL BE PAINTED TO MATCH THE LANDSCAPE (DESERT BROWN). ALL STUB OUT AND FUTURE DEVELOPMENT PADS (PHASED PROJECTS) SHALL END WITH A PIV PAINTED FOREST GREEN.



VAULT DETAIL

**FD103
REPLACES
FD103**



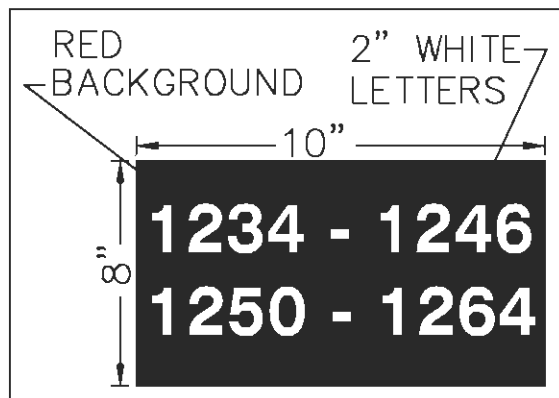
CITY OF CHANDLER
STANDARD DETAIL

**ON-SITE HYDRANT/UNDERGROUND FIRELINE
AND SPECIAL USES (FD APPROVAL REQUIRED)**

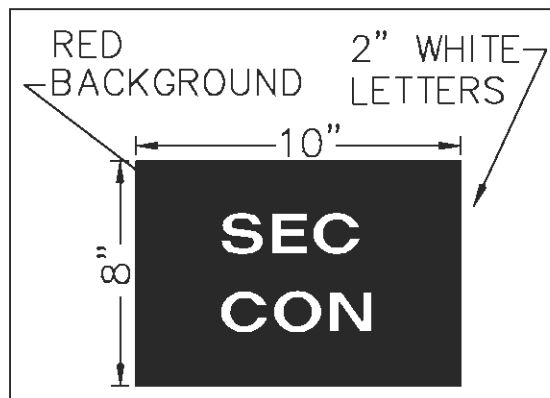
APPROVED: *[Signature]*
FIRE MARSHAL
DATE: 1/19/2005

DETAIL NO.
FD103
NTS

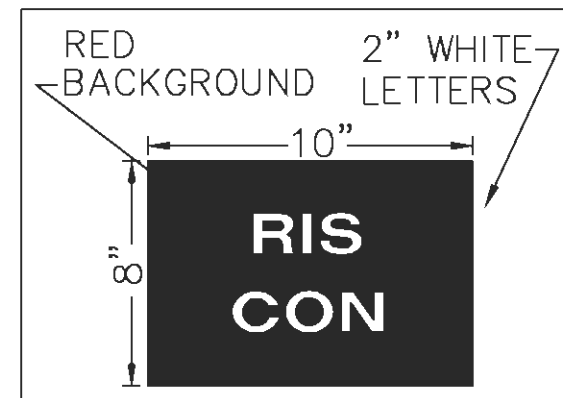
SIGNAGE A



SIGNAGE B

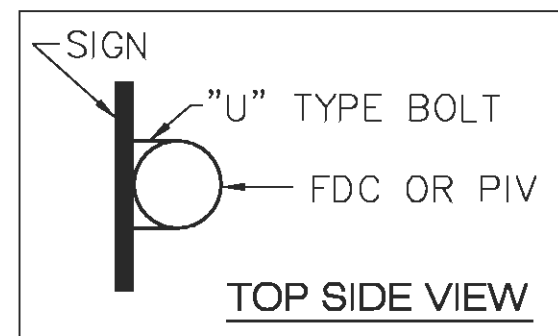


SIGNAGE C



NOTES:

1. THE SIGNS SHALL INCLUDE THE ADDRESS(S) OF THE PREMISE(S) SERVING THE FDC OR PIV.
2. THE SIGNS SHALL BE RED IN COLOR WITH WHITE LETTERING AND SHALL BE 0.08 GAUGE ALUMINUM AND SHALL BE SECURELY ATTACHED TO THE FDC OR PIV WITH "U" TYPE BOLTS.

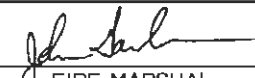


FD104
REPLACES
FD104



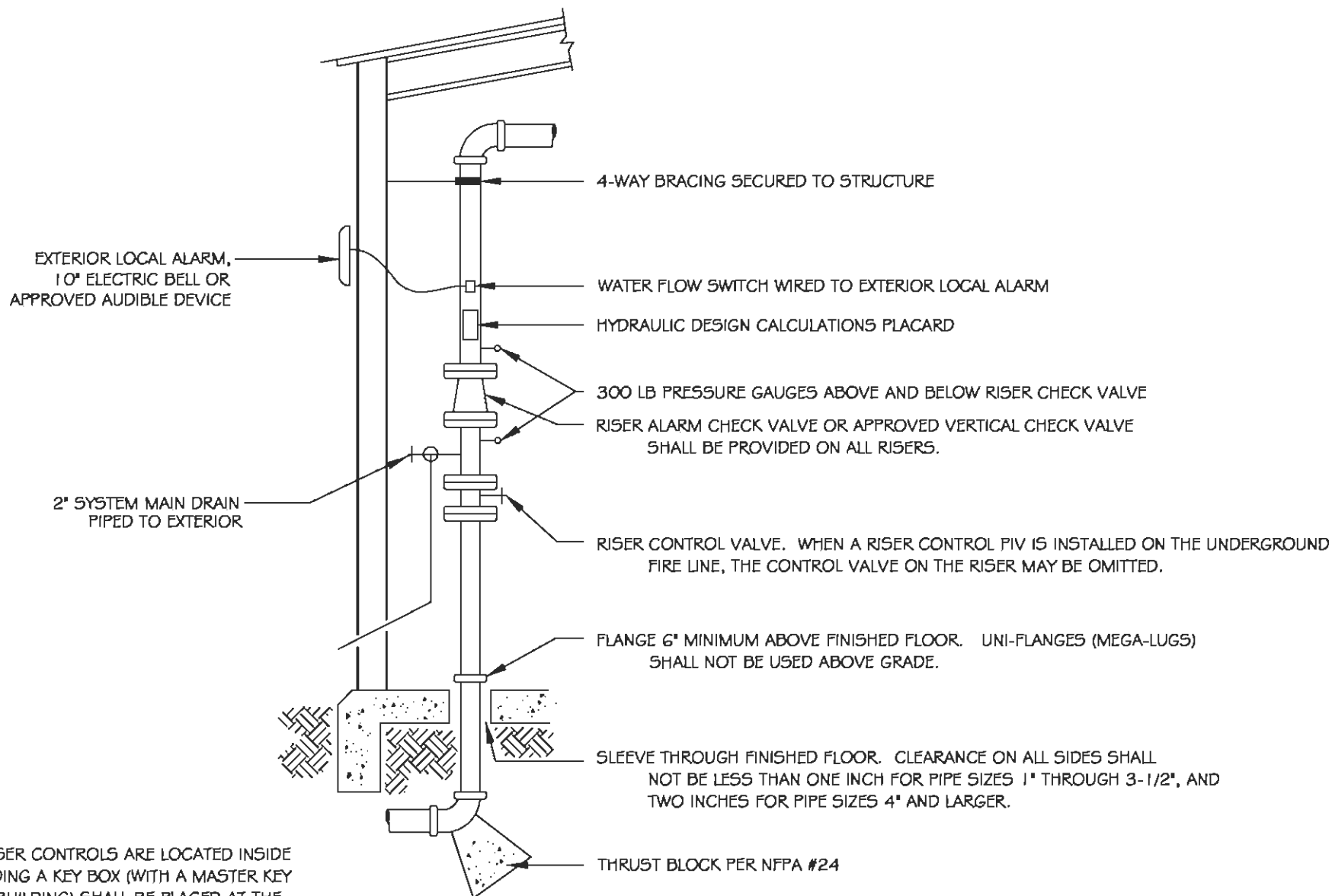
CITY OF CHANDLER
STANDARD DETAIL

**FIRE DEPT. CONNECTION AND
POST INDICATING VALVE SIGNAGE**

APPROVED: 
FIRE MARSHAL
DATE: 10/3/2005

DETAIL NO.

FD104
NTS



NOTE:


1. WHEN RISER CONTROLS ARE LOCATED INSIDE THE BUILDING A KEY BOX (WITH A MASTER KEY FOR THE BUILDING) SHALL BE PLACED AT THE FRONT ENTRANCE.

DETAIL NO.
FD105
NTS



CITY OF CHANDLER
STANDARD DETAIL

**FIRE SPRINKLER SYSTEM RISER
COMMERCIAL INSTALLATION**

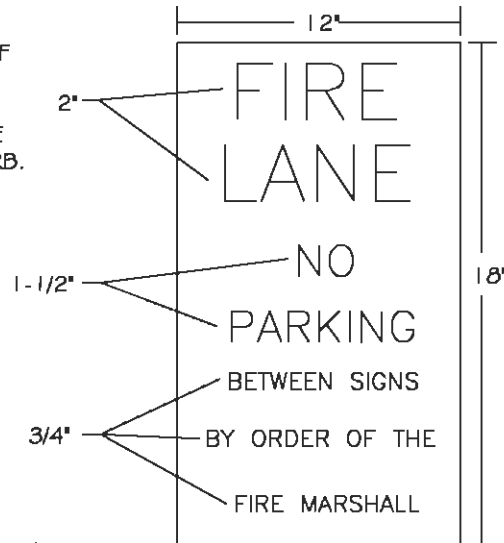
APPROVED: 
FIRE MARSHAL
DATE: 1/19/2005

DETAIL NO.
FD105
NTS

MINIMUM ACCESSWAY WIDTH FOR FIRE LANE SIGN PLACEMENT

* WIDTH	PARKING CONDITIONS	SIGNS REQUIRED
LESS THAN 25'	NO PARKING ON EITHER SIDE OF STREET	THIS DETAIL
25' TO LESS THAN 32'	PARKING ON ONE SIDE OF STREET ONLY	ONE SIDE
32' OR MORE	PARKING ON BOTH SIDES OF STREET	NOT REQUIRED

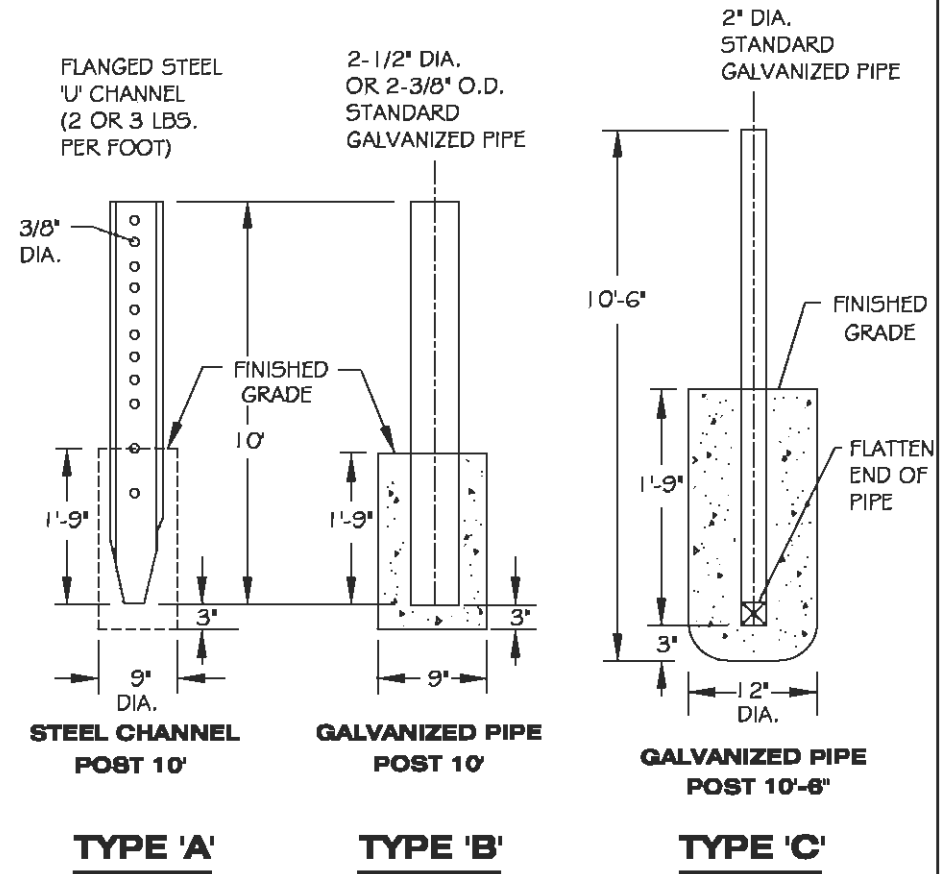
- * ROLLED CURBS SHALL BE MEASURED FROM BACK OF CURB TO BACK OF CURB.
- * ALL OTHER CURBS SHALL BE MEASURED FROM FACE OF CURB TO FACE OF CURB.



NOTES:

1. 2" LETTERS ARE 5/8" WIDE
2. 1-1/2" LETTERS ARE 1/2" WIDE
3. 3/4" LETTERS ARE 1/8" WIDE
4. ALL LETTERS ARE RED WITH A WHITE BACKGROUND
5. THE SIGNS ARE TO BE MOUNTED ON A POST AS PER DETAIL SHOWN.
6. THE BOTTOM OF THE SIGN IS TO BE 7' ABOVE GRADE AND NO MORE THAN 75' APART.
7. CURBING SHALL BE PAINTED BRILLIANT RED, UNLESS A WRITTEN VARIANCE IS PROVIDED TO THE FIRE MARSHAL FOR APPROVAL.
8. THESE SIGNS ARE NOT SUPPLIED BY THE CITY OF CHANDLER

FIRE LANE SIGN BASE



TYPE 'A': USE DRIVING HEAD FOR DRIVING ALL FLANGED STEEL 'U' CHANNEL POSTS. IN LIEU OF DRIVING, FLANGED STEEL 'U' CHANNEL POSTS MAY BE SET IN CONCRETE BASE FOUNDATION AS PER TYPE 'B' BASE.

TYPE 'B' & 'C': CONCRETE BASE FOUNDATIONS SHALL BE CLASS 'C' CONCRETE.

DETAIL NO.

FD111

NTS



CITY OF CHANDLER
STANDARD DETAIL

FIRE LANE SIGNAGE

APPROVED:

[Signature]
FIRE MARSHAL

DATE: 1/11/2002

DETAIL NO.

FD111

NTS

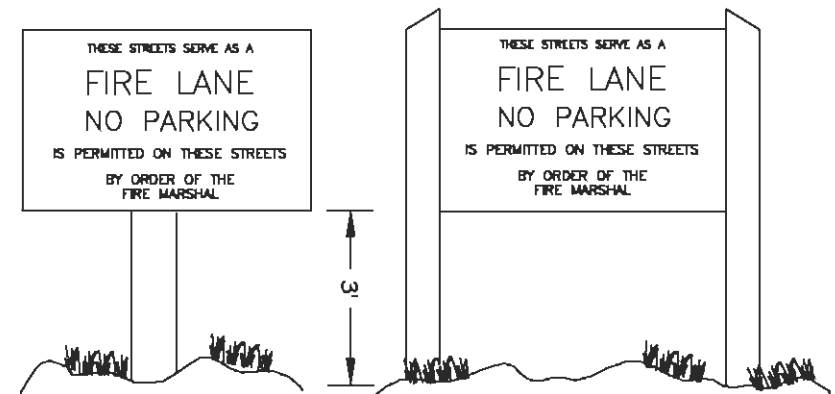
MINIMUM STREET WIDTH FOR FIRE LANE SIGN PLACEMENT

* WIDTH	PARKING CONDITIONS	SIGNS REQUIRED
LESS THAN 25'	NO PARKING ON EITHER SIDE OF STREET	THIS DETAIL
25' TO LESS THAN 32'	PARKING ON ONE SIDE OF STREET ONLY	USE DETAIL 111
32' OR MORE	PARKING ON BOTH SIDES OF STREET	NOT REQUIRED

- * ROLLED CURBS SHALL BE MEASURED FROM BACK OF CURB TO BACK OF CURB.
- * ALL OTHER CURBS SHALL BE MEASURED FROM FACE OF CURB TO FACE OF CURB.

NOTES:

1. THIS SIGN MAY BE USED FOR PRIVATE STREET AND SUBDIVISIONS IN LIEU OF FIRE LANE SIGNS BEING POSTED EVERY 75' AND PAINTED CURBS.
2. 3 INCH LETTERS ARE 5/8 INCH WIDE
3. 2-1/2 INCH LETTERS ARE 1/2 INCH WIDE
4. 1 INCH LETTERS ARE 1/8 INCH WIDE
5. ALL LETTERS ARE RED WITH A WHITE BACKGROUND
6. SIGNS SHALL BE MOUNTED ON EITHER A SINGLE CENTER POST OR DOUBLE SIDE POSTS. POSTS MAY BE STEEL OR WOOD.
7. SIGNS SHALL HAVE A MINIMUM DIMENSION OF 24 INCHES BY 18 INCHES HIGH.
8. THE BOTTOM OF THE SIGN IS TO BE 3 FEET ABOVE GRADE SIGNS AND POSTS ARE NOT SUPPLIED BY THE CITY OF CHANDLER.
9. ALL SIGNS SHALL BE VISIBLE UPON ENTERING THE PRIVATE STREET.
10. ALL SIGNS SHALL BE MAINTAINED, SO THEY ARE LEGIBLE.




DETAIL NO.
FD112
NTS



CITY OF CHANDLER
STANDARD DETAIL

FIRE LANE SIGNAGE **(PRIVATE STREETS AND SUBDIVISIONS)**

APPROVED: 
FIRE MARSHAL
DATE: 1/19/2005

DETAIL NO.
FD112
NTS

COLOR CODE

THE CITY OF CHANDLER WATER DIVISION AND FIRE DEPARTMENT UTILIZE THE FOLLOWING COLOR CODE IN DISTINGUISHING THE VARIOUS TYPES OF FIRE HYDRANTS:

1. CAT YELLOW: THE BARREL AND BONNET OF ALL FIRE HYDRANTS INSTALLED ON PUBLIC WATER MAINS IN RIGHTS-OF-WAY AND IN PUBLIC UTILITY EASEMENTS (PUE'S) SHALL BE PAINTED CAT YELLOW.
2. GLOSS BLACK/CAT YELLOW: THE BONNET OF ALL FIRE HYDRANTS INSTALLED ON PRIVATELY OWNED AND MAINTAINED WATER MAINS SHALL BE PAINTED GLOSS BLACK. THE BARREL SHALL BE PAINTED CAT YELLOW.
3. BRILLIANT RED: THE BARREL AND BONNET OF ALL FIRE HYDRANTS INSTALLED ON PRIVATE FIRE LINES SHALL BE PAINTED BRILLIANT RED IF THOSE FIRE HYDRANTS ARE SERVED BY FIRE PUMPS OR FIRE DEPARTMENT SIAMESE CONNECTIONS (FDC'S). ALL SUCH FIRE HYDRANTS SHALL BE ISOLATED FROM THE MUNICIPAL WATER SYSTEM BY DOUBLE DETECTOR CHECK VALVES. ALL RED HYDRANTS SHALL BE APPROVED BY THE FIRE MARSHAL.

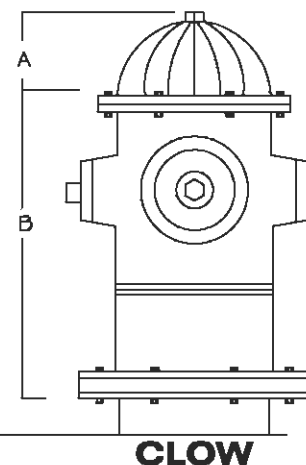
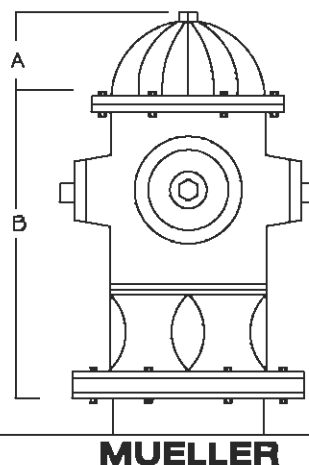
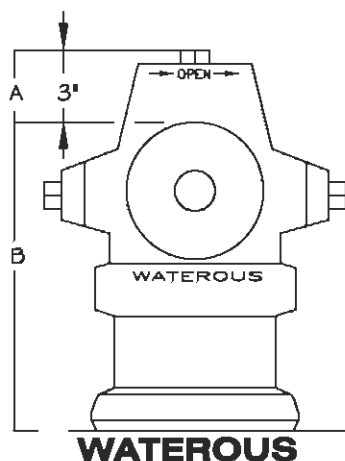
NOTE:

1. ON WATEROUS HYDRANTS ONLY: BONNET (A) WILL BE PAINTED 3" DOWN FROM THE TOP.

LEGEND:

1. (A) = BONNET (B) = BARREL
2. TYPE DENOTES COLOR CODE DESIGNATION.
(CY) = CAT YELLOW (BR) = BRILLIANT RED
(GB) = GLOSS BLACK

TYPE	A	B
1	CY	CY
2	GB	CY
3	BR	BR



DETAIL NO.

FD121

NTS



CITY OF CHANDLER
STANDARD DETAIL

HYDRANT IDENTIFICATION AND COLOR CODING

APPROVED: _____

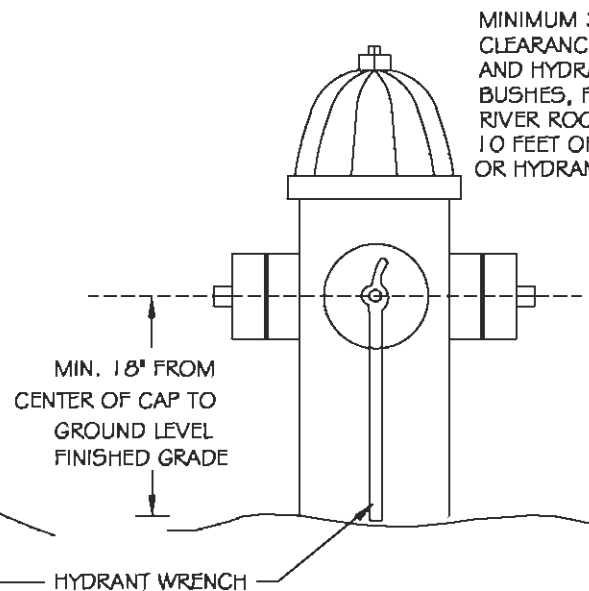
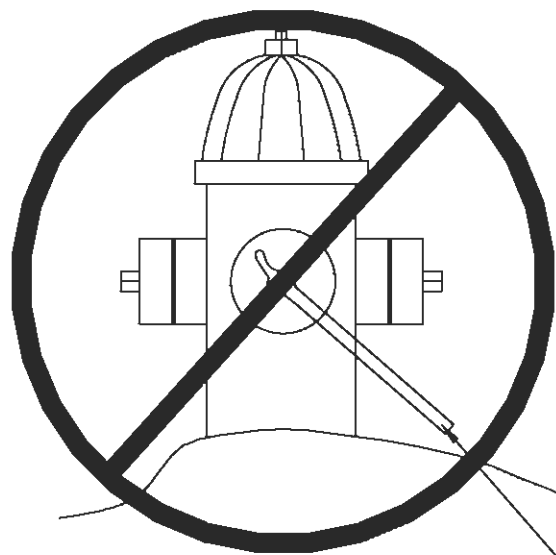
FIRE MARSHAL

DATE: 1/19/2005

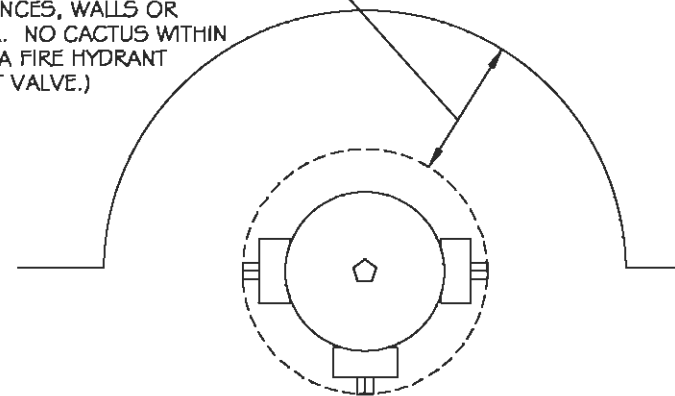
DETAIL NO.

FD121

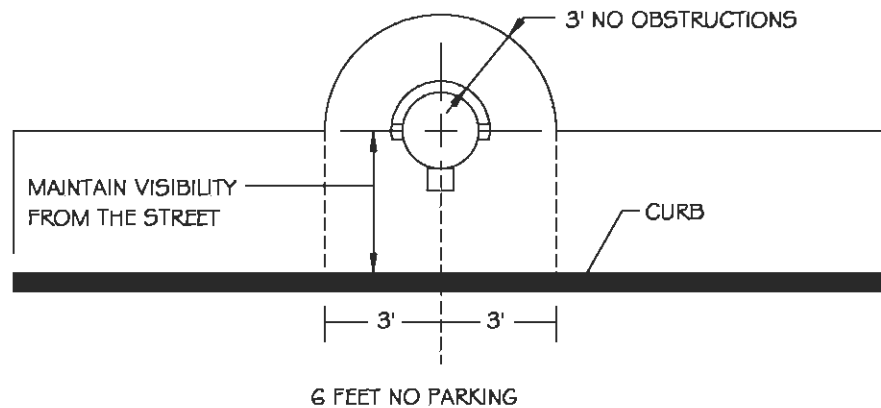
NTS



MINIMUM 3 FOOT UNOBSTRUCTED
CLEARANCE AROUND FIRE HYDRANT
AND HYDRANT VALVE. (NO TREES,
BUSHES, FENCES, WALLS OR
RIVER ROCK. NO CACTUS WITHIN
10 FEET OF A FIRE HYDRANT
OR HYDRANT VALVE.)

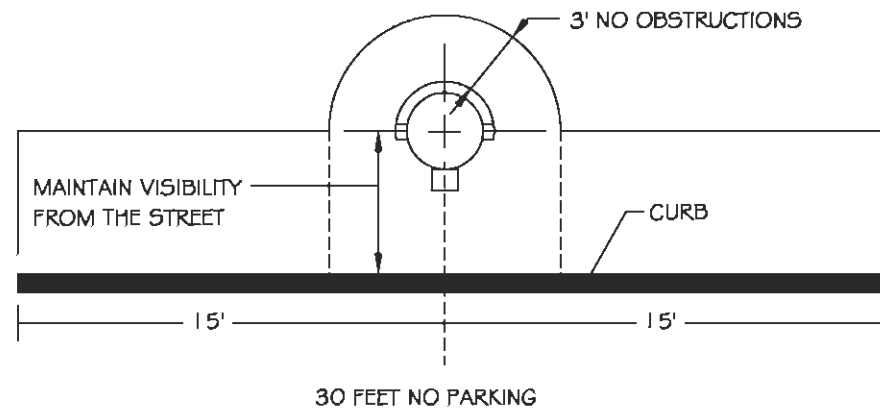


A CLEAR SPACE OF 3 FEET SHALL BE MAINTAINED AROUND FIRE HYDRANTS AND
HYDRANT VALVE. (NO TREES, BUSHES, FENCES, WALLS OR RIVER ROCK. NO CACTUS
WITHIN 10 FEET OF A FIRE HYDRANT OR HYDRANT VALVE.)



RESIDENTIAL

A CLEAR SPACE OF 3 FEET SHALL BE MAINTAINED AROUND FIRE HYDRANTS AND
HYDRANT VALVE. (NO TREES, BUSHES, FENCES, WALLS OR RIVER ROCK. NO CACTUS
WITHIN 10 FEET OF A FIRE HYDRANT OR HYDRANT VALVE.)



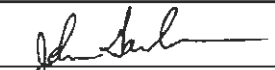
NON-RESIDENTIAL

DETAIL NO.
FD122
NTS

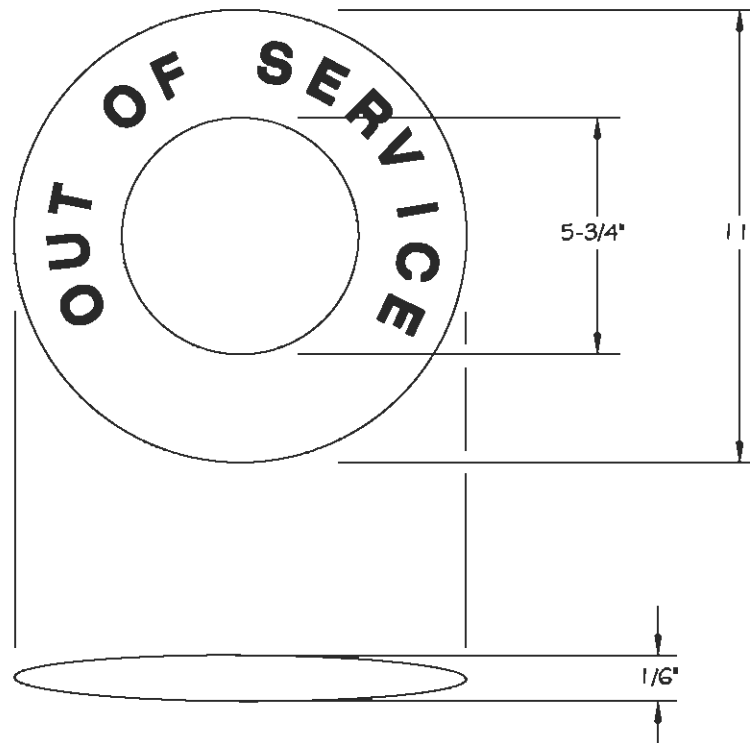


CITY OF CHANDLER
STANDARD DETAIL

FIRE HYDRANT CLEARANCE

APPROVED: 
FIRE MARSHAL
DATE: 1/19/2005

DETAIL NO.
FD122
NTS



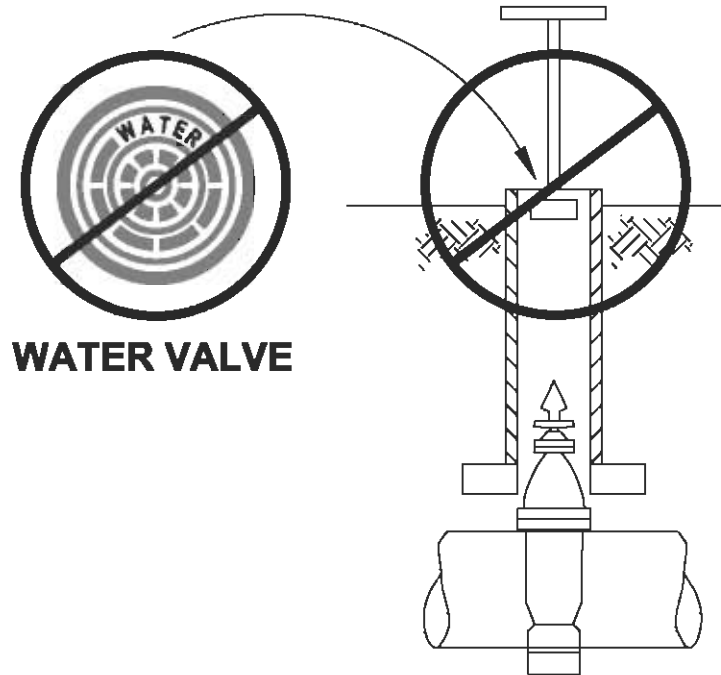
NOTE:

ALL FIRE HYDRANTS INSTALLED ON PRIVATE AND PUBLIC WATER LINES SHALL BE PROVIDED WITH 'OUT OF SERVICE' SIGNS. UPON COMPLETION OF REQUIRED INSPECTIONS, TESTS, ACCEPTANCE, AND APPROVAL OF THE WATER SYSTEM BY A C.O.C. INSPECTOR AND THE SYSTEM IS VERIFIED TO BE IN SERVICE, THE 'OUT OF SERVICE' SIGNS SHALL BE REMOVED. A HYDRANT REMOVED FROM SERVICE SHALL BE PROVIDED AN 'OUT OF SERVICE' SIGN WITHIN THE INITIAL 2 HOURS OF THE SERVICE INTERRUPTION. SIGNS SHALL BE IN ACCORDANCE WITH THIS DETAIL. SIGNS SHALL BE PERMANENTLY MARKED AND CONSTRUCTED OF WEATHERPROOF METAL OR RIGID PLASTIC MATERIAL. THE COLOR OF LETTERING ON SIGNS SHALL BE IN HIGH CONTRAST WITH THEIR BACKGROUND. SIGNS SHALL HAVE THE WORDS 'OUT OF SERVICE' ON THE SIGN IN BLOCK CAPITAL LETTERS NOT LESS THAN 1-1/2" IN HEIGHT WITH A STROKE OF NOT LESS THAN 1/4".

<p>DETAIL NO.</p> <p>FD123</p> <p>NTS</p>	 <p>CITY OF CHANDLER STANDARD DETAIL</p>	<p>'OUT OF SERVICE' SIGNS</p>	<p>APPROVED: </p> <p>FIRE MARSHAL</p> <p>DATE: 2/2/1999</p>	<p>DETAIL NO.</p> <p>FD123</p> <p>NTS</p>
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UNAUTHORIZED PERSONNEL SHUTTING OFF WATER VALVES AND FIRE HYDRANTS ARE IN VIOLATION OF CITY OF CHANDLER CODE. CONTACT WATER DISTRIBUTION 48 HOURS PRIOR TO SCHEDULE ALL SHUT DOWNS - (480) 782-3700 MONDAY-FRIDAY 7:00AM-4:00PM.

APAGAR LAS VALVULAS DE AGUA O LAS BOCAS DE INCENDIOS A PERSONAL NO AUTORIZADO ESTAN VIOLANDO EL CODIGO DEL LA CIUDAD DE CHANDLER. CONTACTOR DISTRIBUCIÓN DE AGUA CIUDAD DE CHANDLER. CONTACTAR DISTRIBUCION DE AGUA 48 HORAS ANTES PARA PROGRAMAR TODOS LOS CIERRES. (480) 782-3700 DE LUNES A VIERNES 7:00AM-4:00PM.

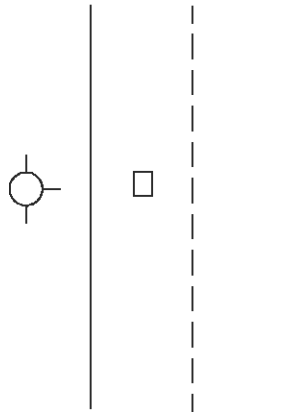


SIGNATURE: _____ **DATE:** _____

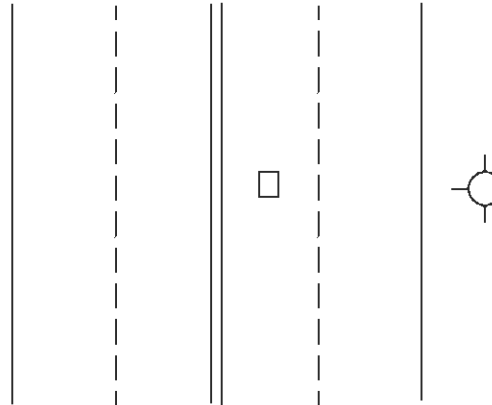
THIS IS TO BE POSTED IN THE CONSTRUCTION OFFICE

DETAIL NO. FD124 NTS	 CITY OF CHANDLER STANDARD DETAIL	UNAUTHORIZED WATER VALVE SHUT OFF	APPROVED:  FIRE MARSHAL DATE: 10/25/04	DETAIL NO. FD124 NTS
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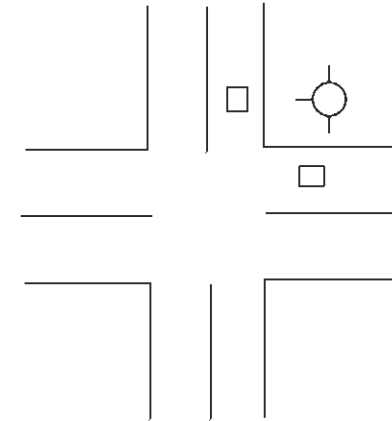
TWO LANE



MULTI LANE



TWO LANE AT INTERSECTION



NOTES:

1. MARKERS FOR FIRE HYDRANTS ON PRIVATE FIRE PROTECTION SYSTEMS SHALL BE STIMSONITE MODEL 911AR (RED) OR APPROVED EQUAL.
2. MARKERS SHALL BE LOCATED IN THE CENTER OF THE TRAFFIC LANE.

DETAIL NO.

FD131

NTS



CITY OF CHANDLER
STANDARD DETAIL

HYDRANT REFLECTOR LOCATIONS ON PRIVATE FIRE SYSTEMS

APPROVED: _____

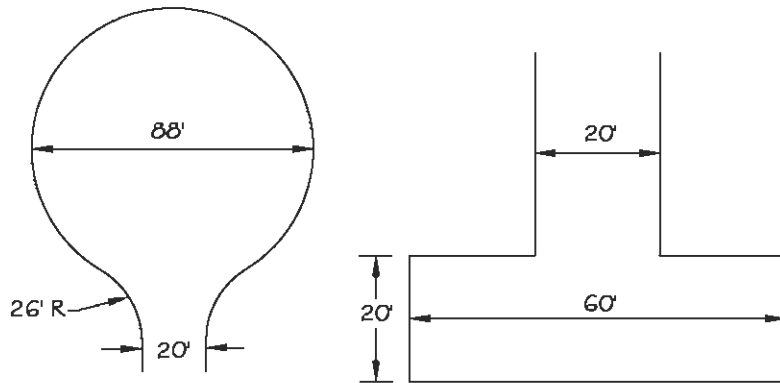
FIRE MARSHAL

DATE: 2/2/1999

DETAIL NO.

FD131

NTS



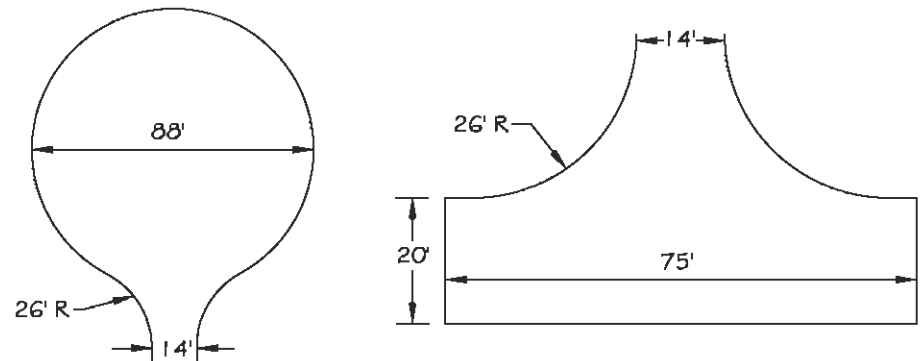
TURNAROUNDS: ALL DEAD-END FIRE APPARATUS ACCESS ROADS IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH APPROVED APPARATUS TURNAROUNDS.

SURFACE: FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AS PER COC ROADWAY STANDARDS.

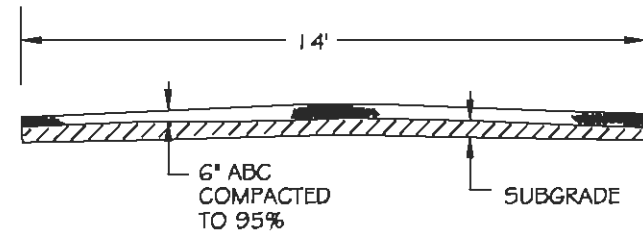
HEIGHT: UNOBSTRUCTED VERTICAL CLEARANCE SHALL BE NOT LESS THAN 13 FEET 6 INCHES.

WIDTH: UNOBSTRUCTED WIDTH SHALL NOT BE LESS THAN 20 FEET.

PERMANENT



DETAIL A



DETAIL B

NOTES:

1. TEMPORARY ACCESS ROADWAYS SHALL BE IN ACCORDANCE WITH THE FIRE CODE.
2. ROADWAYS SHALL BE CONSTRUCTED AS PER DETAIL B ABOVE AND FIRE APPARATUS TURNAROUNDS SHALL BE IN ACCORDANCE WITH EITHER EXAMPLE IN DETAIL A ABOVE WHEN THE ROADWAYS ARE IN EXCESS OF 150 FEET.
3. FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS (50,000 LBS MIN.) AND SHALL BE PROVIDED WITH A SURFACE SO AS TO PROVIDE ALL WEATHER DRIVING CAPABILITIES.

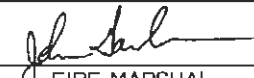
TEMPORARY

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NTS

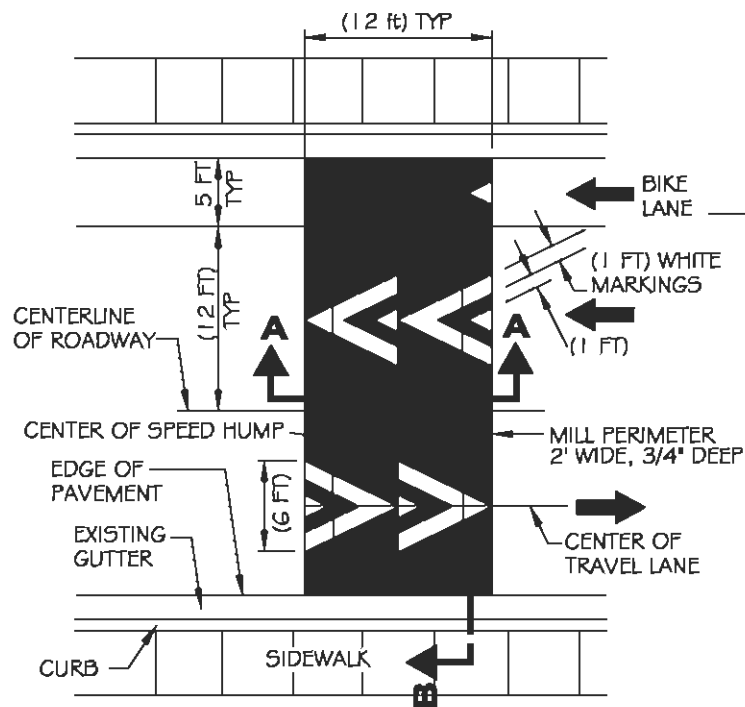


CITY OF CHANDLER
STANDARD DETAIL

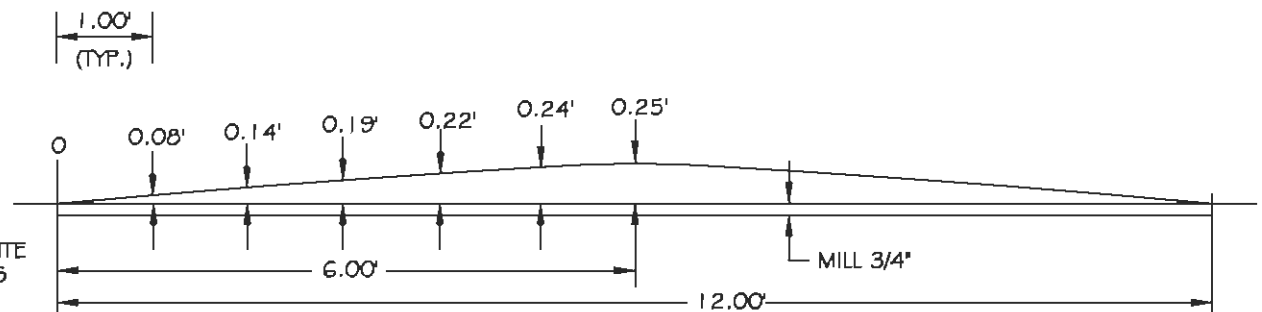
FIRE APPARATUS ROADWAYS AND TURNAROUNDS

APPROVED: 
FIRE MARSHAL
DATE: 1/19/2005

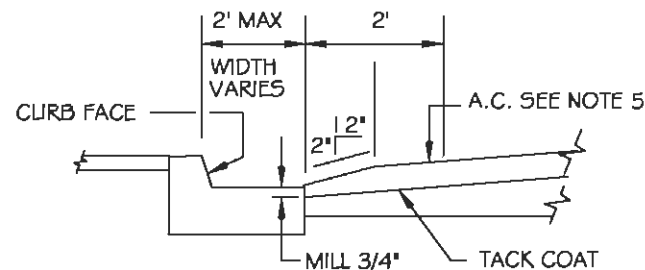
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PLAN VIEW



CROSS SECTION A-A



SECTION B-B

IMPORTANT:

TO GAIN MAXIMUM EFFECT,
HUMPS MUST BE THE FULL 0.25'.
CONTRACTORS MUST NOT EXCEED THIS
HEIGHT BASED ON CONSIDERATION
FOR EMERGENCY POLICE AND FIRE
DEPARTMENT VEHICLES.

NOTES:

1. HUMPS MUST BE THE FULL 0.25' FOR MAXIMUM EFFECT BUT SHALL NOT EXCEED 0.27'.
2. CROSS-SECTION ELEVATIONS SHALL HAVE A MAXIMUM TOLERANCE OF $\pm 0.02'$.
3. SPEED HUMP SHALL NOT BE PLACED CLOSER THAN 30' FROM ACCESS DRIVE ENTRANCE / EXITS.
4. SPEED HUMPS SHALL NOT BE PLACED OVER MANHOLES, WATER VALVES, JUNCTION STRUCTURES, ETC.
5. THE EXISTING ROADWAY SHALL BE MILLED TO A DEPTH OF 3/4", AROUND THE PERIMETER AS SHOWN. CROSS SECTION DIMENSIONS DO NOT INCLUDE THE 3/4" MILLING.
6. HUMP SHALL BE CONSTRUCTED WITH EVAC SUPERMIX A-1 2.5. A TACK COAT SHALL BE APPLIED PRIOR TO APPLICATION OF PAVEMENT.

DETAIL NO.

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CITY OF CHANDLER
STANDARD DETAIL

SPEED HUMP FOR PRIVATE PROPERTY AND PRIVATE ROADS

APPROVED:

DATE: _____

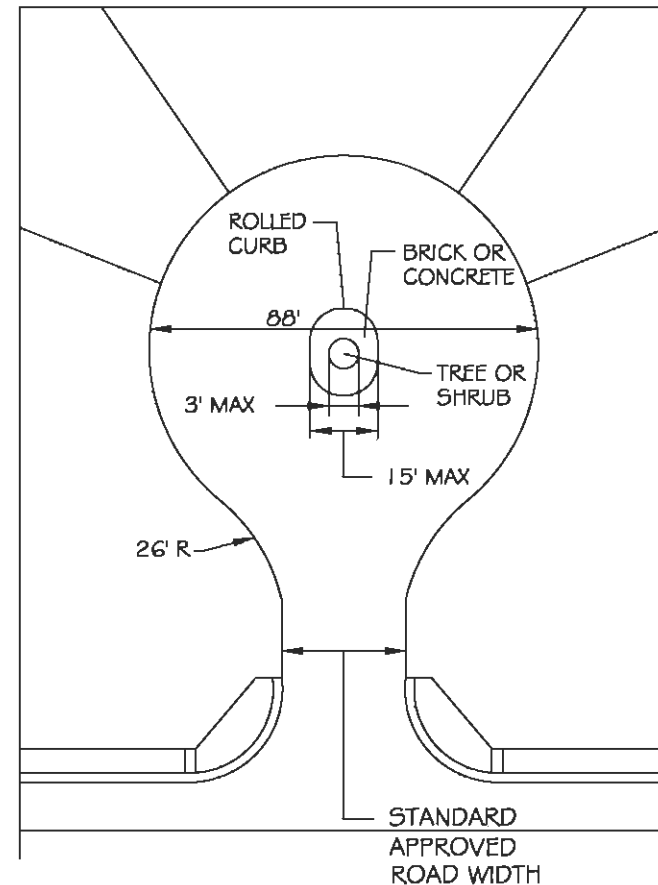
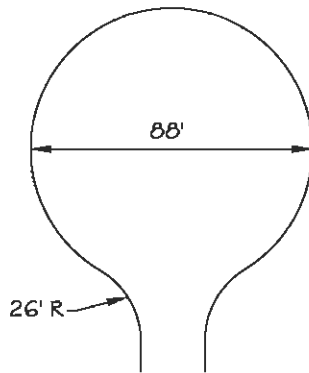
FIRE MARSHAL

5/16/2002

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- TURNAROUNDS:** ALL DEAD-END FIRE APPARATUS ACCESS ROADS IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH APPROVED APPARATUS TURNAROUND.
- SURFACE:** FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AS PER COC ROADWAY STANDARDS.
- HEIGHT:** UNOBSTRUCTED VERTICAL CLEARANCE SHALL BE NOT LESS THAN 13 FEET 6 INCHES.
- WIDTH:** UNOBSTRUCTED WIDTH SHALL NOT BE LESS THAN STANDARD APPROVED ROAD WIDTH.

LANDSCAPE IN CUL-DE-SAC

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NTS

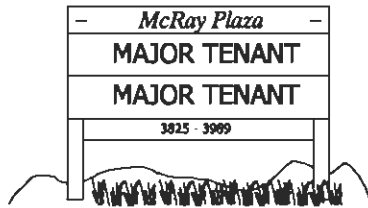


CITY OF CHANDLER
STANDARD DETAIL

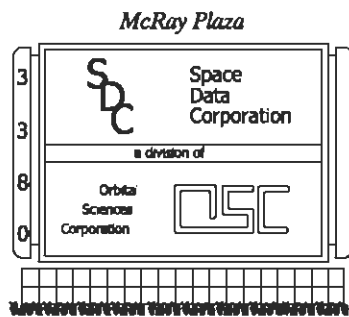
**FIRE APPARATUS
ROADWAYS AND TURNAROUNDS
PRIVATE RESIDENTIAL CUL-DE-SAC**

APPROVED: *[Signature]*
FIRE MARSHAL
DATE: 1/19/2005

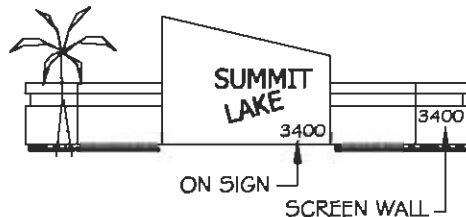
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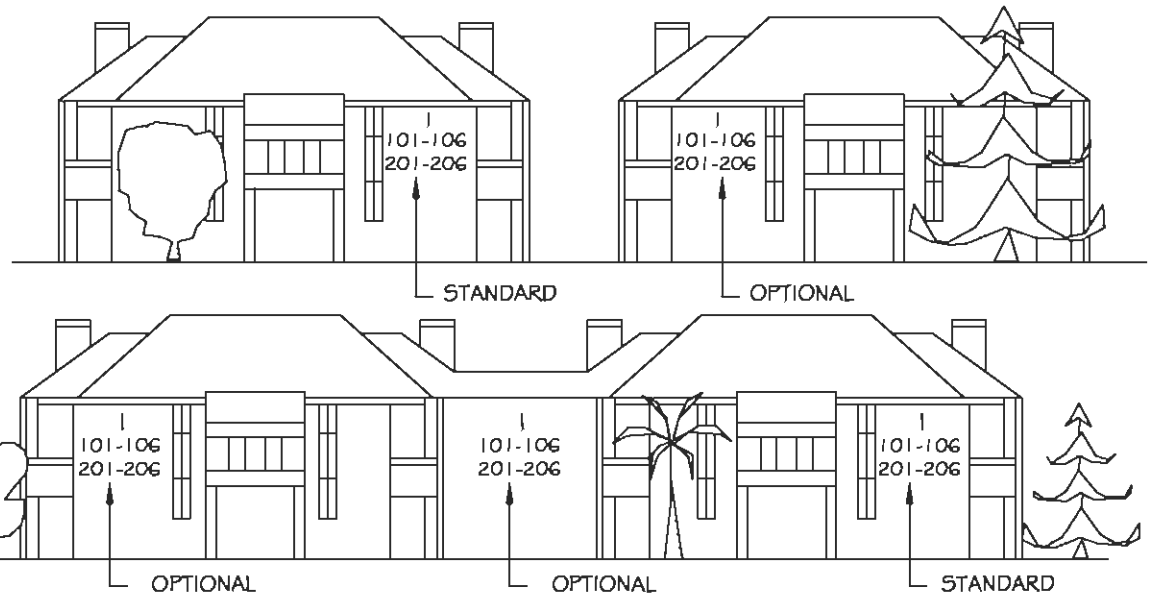
THE LOW-HIGH ADDRESS SHALL BE POSTED ON CENTER IDENTIFICATION SIGN AT MAIN ENTRANCE OF COMMERCIAL MALL, CENTER, VILLAGE, OR SQUARE, SO AS TO BE VISIBLE FROM A NORTH-SOUTH OR EAST-WEST DIRECTION.



PERMANENT FIXTURE WITH THE SITUS ADDRESS SHALL BE PLACED IN A CONSPICUOUS LOCATION IF NOT VIEWABLE FROM THOROUGHFARE FRONTAGE SO AS TO BE VISIBLE FROM A NORTH-SOUTH OR EAST-WEST DIRECTION.



ADDRESS MAY BE DISPLAYED ON COMPLEX IDENTIFICATION SIGN OR ON THE SCREEN WALL AT THE MAIN ENTRANCE SO AS TO BE VISIBLE FROM A NORTH-SOUTH OR EAST-WEST DIRECTION



BUILDING IDENTIFICATION NUMBERS AND INTERVAL OF SUB-STRUCTURE SUFFIXES ASSIGNED TO INDIVIDUAL UNITS SHALL BE DISPLAYED IN THE UPPER, RIGHT HAND CORNER AT THE END OF EACH BUILDING SO AS TO BE PLAINLY VISIBLE FROM THE ACCESS THOROUGHFARE. ALPHA CHARACTERS MAY BE ASSIGNED FOR BUILDING IDENTIFICATION FOR MULTI FAMILY DEVELOPEMENTS WHERE SINGLE DIGIT SUB-STRUCTURE SUFFIXES ARE USED. MULTI FAMILY DEVELOPMENTS WITH INTERNAL DRIVES, BUILDING LETTER/NUMBER AND RANGE OF SUB-STRUCTURE SUFFIXES SHALL BE POSTED ON EACH SIDE OF BUILDING SO AS TO BE CLEARLY VISIBLE FROM ALL ACCESS DRIVES AND THOROUGHFARES. ** EXCEPTION: INTERVAL OF SUB-STRUCTURE SUFFIXES MAY BE DISPLAYED ELSEWHERE ON BUILDING DUE TO REQUIRED LANDSCAPING, SUBJECT TO APPROVAL OF THE STREET NAMING AND ADDRESSING COORDINATOR. COLOR OF NUMBERS/LETTERS AND BACKGROUND SHALL CONTRAST AND CONFORM TO REQUIREMENTS FOR HELVETICA MEDIUM NUMBERING/LETTERING. DISTANCE AT WHICH LETTERS/NUMBERS SHALL BE LEGIBLE FROM CENTER OF THOROUGHFARE:

0-50' 4" - APPLIES TO SINGLE FAMILY RESIDENTIAL, MULTI-FAMILY, COMMERCIAL MALLS, CENTERS, OR VILLAGES.
 50-200' 10" - INTERVAL OF LOW-HIGH SUB-STRUCTURES SUFFIXES FOR MULTI-FAMILY DEVELOPMENTS MAY BE A MINIMUM OF 6"-8" IN HEIGHT. INTERVAL OF LOW-HIGH SITUS ADDRESSES ON CENTER IDENTIFICATION SIGN MAY BE A MINIMUM OF 8" IN HEIGHT.
 201-300' - 12"
 301-400' - 14"


FOR COMMERCIAL MALLS, CENTERS, VILLAGES AND SQUARES, DISTANCE TO BE MEASURED FROM CENTER OF ACCESS DRIVE TO STRUCTURE(S).

DETAIL NO.
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 NTS



CITY OF CHANDLER
 STANDARD DETAIL

ADDRESS IDENTIFICATION

APPROVED: 
 FIRE MARSHAL
 DATE: 1/11/2002

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FD151
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